Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 12 Jan 2023 until 23:59 on Friday 13 Jan 2023

Forecast Issued on Thursday 12 Jan 2023 at 03:31

Confidence: High for unsettled for much of the period, also for turning to colder northerly for Monday, but lowering confidence for detail of timing and intensity of worst of weather due to the mobile nature of the westerly flow prior to Monday's northerly.

Headline for Thursday 12 Jan 2023: Unsettled and turning very windy by evening.

Mountain weather hazards on Thursday 12 Jan 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Light rain	Cloudy	Cloudy	Dull
Precipitation probability					
60%	20%	30%	40%	30%	40%

Forecast for Thursday 12 Jan 2023

Weather: Overcast with spells of rain, perhaps heavy at first. This clearing to east Thursday morning with some patchy light rain continuing and largely drier by midday with some limited brighter spells appearing. Mix of sunshine and chance of passing blustery showers for the afternoon. Showers merging to longer periods of occasionally heavy rain towards the end of the day.

Chance of cloud-free hill tops above 600m: 10% early morning, becoming 80% late morning, 60% for the afternoon then 20% to end the day

Low cloud and visibility: Good becoming moderate or poor in rain, very poor in snow and within cloud with bases quite extensive down to 500m early morning, infrequently so late morning, occasionally for the afternoon and extensive again late evening.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Mountain Weather Forecast

Forecast for Thursday 12 Jan 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	29/35 W	31/41 SW	32/43 SW	29/40 W	34/45 SW	35/47 SW	39/54 SW
300	17/23 W	20/30 SW	23/34 SW	21/31 SW	24/36 SW	26/38 SW	30/46 SW
Valley	9/20 W	11/27 SW	14/31 SW	15/33 SW	16/36 SW	17/37 SW	22/45 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/-1	6/-0	7/1	4/-2	2/-5	2/-6	2/-7
300	7/3	8/4	9/5	7/2	5/-1	4/-1	4/-2
Valley	7/4	8/5	10/7	7/4	5/1	5/0	5/-1
Freezing Level*	1600m	1400m	1500m	1000m	800m	700m	800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Some difficult conditions early with quite extensive hill fog.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Thu 12 Jan 2023	16.6mm	41mm	47mm

Forecast for Friday 13 Jan 2023

Weather: An unsettled, generally cloudy and showery day with some snow above 600m. Showers occasionally heavy and potentially merging to longer outbreaks at times, particularly early morning and during the evening. Gales across summits.

Maximum wind: West or southwest initially mean 35-40mph with gusts reaching 50-55mph across most exposed ridges and summits. Winds easing a little through the day, especially in the evening.

Chance of cloud-free hill tops above 600m: 70% for much of day, but 20% at times given the showery nature of the flow.

Low cloud and visibility: Good becoming moderate or poor in rain, very poor in snow and within cloud with bases occasionally lowering to 500m

Temperature: **Valleys:** Plus 3 degrees Celsius becoming plus 8 degrees Celsius during the afternoon.
At 600m: Plus 1 degrees Celsius
Freezing level: 700m

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